

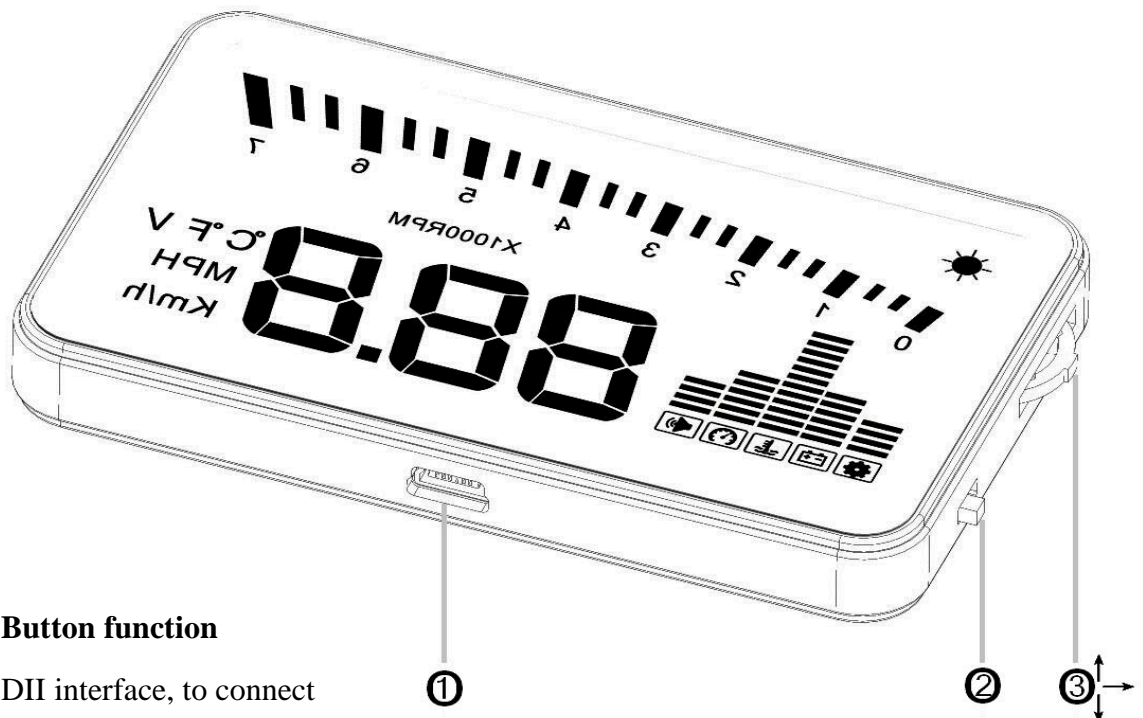
# Head Up Display

## User Manual

**Please read these instructions carefully and retain for future reference.**

### HUD main features

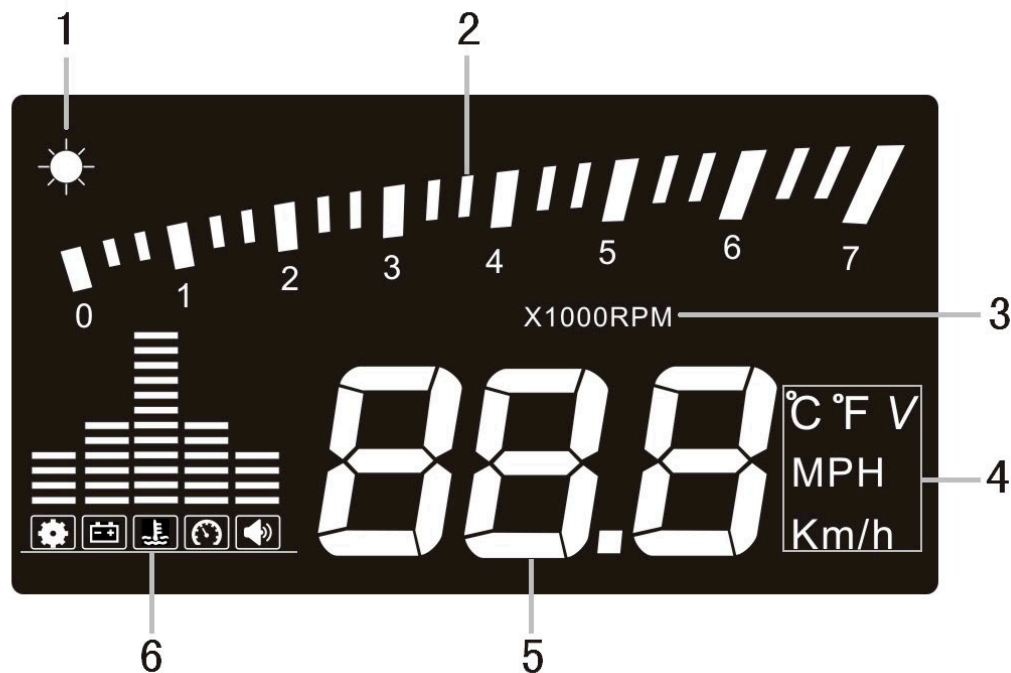
1. Automatic adaptation for most modern vehicle makes, suitable for vehicles with OBDII or EUOBD (onboard automatic diagnostic system). Plug and Play.
2. 3" screen and high-definition display.
3. Multi-color design makes the screen more vibrant and easier to read.
4. The use of nano-technology to eliminate unwanted reflections and can make display information sharper.
5. Comprehensive information: speed, revs speed, water temperature, battery voltage, low voltage alarm, high temperature alarm, speed alarm.
6. Auto power on and off when vehicle is started or stopped, providing effective protection of the car battery; while retaining the manual switch mode, so easier to control HUD.
7. Automatic and manual brightness adjustment mode, aiding driving without excess glare.



### HUD Button function

1. OBDII interface, to connect the vehicle OBDII interface.
2. Button for power On and Off.
3. Swivel button: Up button (Push the swivel button up to scroll up), OK button (press in to select), Down button (Push the swivel button down to scroll down).

## HUD display information



1. Light sensors: brightness can be changed to automatically adjust to the outside brightness.
2. Rev speed: indicates the rotating status of the engine and the scale measured represents the speed reached.
3. Rev speed unit: indicates the rotating status of the engine, 1 means 1000/min
4. Unit mark: degree C Centigrade, F Fahrenheit, V voltage, MPH-Mile per hour, KM/H-kilometer per hour
5. Multi-function display: speed, voltage, water temperature.
6. Alarm mark: low voltage alarm, high temperature alarm, speed alarm.

## HUD installation

1. Know the type of your vehicle. When purchasing HUD, you need to choose the type of vehicle that meets the OBDII standards (or EU OBD) for normal use. Open the engine hood and find the sticker below it (see the below picture 1), if it has words like OBDII CERTIFIED, then it can be installed.
2. Find out the 16 pin diagnostic link (see the below picture 2) of the vehicle and connect it using the OBDII connecting cable.



Picture 1



Picture 2

## **Reflection film installation**

First, place the supplied non-slip mat on the dashboard, and place the HUD on it.  
Second, please stick the reflection film on the windscreen.

Please Note:

The HUD will project the display information on the car windscreen, if you see a double image on the windscreen when the HUD is projecting information, you will need to install the reflection film (supplied) on the windscreen. If you can see a clear display of information, then there is no need to use the reflection film.

The reflecting film should be pasted above the host machine and it should be able to reflect the whole display screen.

Methods of pasting the film:

1. Spray some water on the place that the film will be pasted on the windscreen;
2. Remove the backing sheet (marked 1) of reflection film and place on the windscreen in the required position.
3. After you have adjusted the location, you can use an anti scratch board or something else flat to burnish the reflection film and squeeze the water out until there are no bubble or water in it.
4. Tear off the front side (marked 2) of the reflection film.

## **The first use of HUD**

Start engine and power on HUD, showing the current vehicle voltage and then enter to search ECU state, if the HUD shows speed, rotating speed, indicating that HUD has been installed successfully. (After 1 minute, or if only display the voltage, please check whether HUD, OBDII interface, and OBD data cable are connected correctly Then press the HUD power switch, and start again)

## **HUD setting**

HUD display information is from ECU, you can now enter the setup mode to fine-tune the HUD display value, in order to achieve exactly the same value as dashboard. We have adjusted HUD according to the general test values at the factory, if you find HUD display information is different from dashboard, then make the following adjustments:

**1. Press the swivel button for a few seconds then push the swivel button up to enter each setting mode.**

After you enter the setting mode, push up the swivel button, the menu will increase by one. Pulling down the swivel button the menu will decrease by one. After finish the adjustment, push up the swivel button for 5s to return to the display interface.



**Enter to the setting mode:**

**0 speed adjustment(50-150)**



**1 rotating speed(50-150)**



**2.rotating speed alarm(0-75)**



**3.speed alarm(30-500)**



**4.brightness adjustment(0-2)**



**5.speed unit(0-2)**



**6.water temperaturer alarm(0-2)**



**7. power on voltage(110-150)**



The parameters are as below:

Menu	Parameters	Adjustment range	Explanation	Default
0	speed	50-150	50%-150%	107
1	Rotating speed	50-150	50%-150%	117
2	Rotating speed alarm	10-75	1000-7500r	25
3	Speed alarm	30-500	50%-150%	120
4	Brightness adjustment	0-2	0 is automatic adjustment, 1 is the darkest, 2 is the brightest	0
5	Speed unit	0-2	0 is RPM, 1 is KM, 2 is MPH	1
6	Water temperature unit	0-2	0 is water temperature, 1 is °F 2 is °C	1
7	Power on voltage	110-150	This is the power on and off voltage of the HUD, no need to set.	132





To turn off the audible alarm buzzer pull down the swivel button for 5s and the alarm buzzer will be off. Pull down the swivel button for a further 5s and the alarm buzzer will be on.

#### Technical parameter:

Environment temperature	- 40 °C— +80 °C
Barometric press:	86-106KPa
Relative humidity:	10%-95%
Environment voice:	<=60dB
Alarm of sound level:	>=30dB(A)
Work voltage:	9V~16Vdc(12Vdc/400mA)
Size of product:	9cm x 5.4cm x1.2cm)
Weight of product:	40g

#### Common problem, the reason and the way to solve the problem

Problem	Possible reason	The way to solve
No speed alarm	the function is OFF	Turn on the Speed Alarm
No rev speed	The Rev Speed value is too high or the function is OFF	Resetting and turning on the Rev Speed alarm
No display after starting	The switch is not ON	check the plug, and ensure the switch is ON
No speed and engine speed display	Not conform to OBDII or EU-OBd port	Contacting with auto manufacturer
Speed is inaccurate	The unit of speed is MPH	Switch the unit of speed to KM/H
Only display speed	Speed exceeds 80KM/H	Entering into settings and switch display mode to 1



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